

OVERSIGHT SAMPLING PLAN

FOR

BTR SEALING SYSTEMS, INC.
3200 MAIN STREET
KEOKUK, IOWA
EPA RCRA ID # IAD005136123

Approvals:

Brian Mitchell 11/1/96
Environmental Engineer/Project Manager
Brian Mitchell

EPA Region VII Quality Assurance Manager
Ernest Arnold



R00056533
RCRA Records Center

Representatives of United Technologies will be collecting samples to determine the amount and extent of contamination at the BTR Sealing Systems Facility [Former owned and operated by United Technologies]. Such samples will be analyzed by representatives of United Technologies. In order to verify the validity of the sampling results obtained by United Technologies' representatives, representatives of EPA will be provided split/oversight samples by representatives of United Technologies. These split/oversight samples will be delivered by representatives of EPA to the EPA Region VII Lab for in-house analysis or assignment to a contractor laboratory for analysis.

Attachment I describes the parameters and analytical requirements for the split/oversight sampling activities and other pertinent information. Sample containerization, labeling, and preservation procedures, for split/oversight samples, will be conducted per EPA Region VII Standard Operating Procedures (SOPs) numbers 2130.3A, 2130.4A, and 2130.5A while the chain-of-custody and sample transport procedures will be conducted per SOP number 2130.2A.

The analytical methods, laboratory quality control, and data validation will follow the approved operating procedures of the assigned laboratory.

A completed Analytical Services Request Form is attached, Attachment II. A completed Sampling Supplies Request Form is also attached, Attachment III.

Attachments

ATTACHMENT I

Sample Summary Table

Sample Location	# of Samples	Matrix Type	Constituents	Analytical Method	Container Per Sample	Preservatives/Holding times
Soils west of the chemical storage building	6 [4 samples, 1 duplicate sample, and 1 trip blank sample]	soil	Report on all constituents listed in the analytical method	SW-846 8260	4 oz. glass jar	Cool to 4 degrees centigrade/14 days
				SW-846 6010	8 oz. glass jar	Cool to 4 degrees centigrade/6 months
				SW-846 8270	8 oz. glass jar	Cool to 4 degrees centigrade/7 days
Sampling of monitoring wells	20 [18 samples, and 2 duplicate samples]	groundwater	Report on all constituents listed in the analytical method	SW-846 8260	2 40 ml vials, 1 charcoal thimble, 1 liter plastic cubitainer	2 ml of HCl and cool to 4 degrees centigrade/14 days
				SW-846 6010	1 liter plastic cubitainer	5 ml of nitric acid and cool to 4 degrees centigrade/6 months

USEPA Region VII Analytical Services Request (ASR) Form

Activity No.: _____ Date: 11/1/96
 Site Name, City, & State: BTR Sealing Systems, Keokuk, Iowa
 EPA Project Manager: Brian Mitchell
~~Section/Branch:~~ IRSP Phone No.: 913-551-7633
 Contractor Contact: Jim Caldwell
 Contractor: USGS Phone No.: 319-358-3622
 Projected Sample Delivery Date: ~ 11/20/96
 Funding Program Element: _____

Request Summary:

No. of Samples	Matrix	Group/Parameter Name	Group/Parameter MGP Code
(4 dup 1 trip)	Soil	metals	SM ✓
		volatiles	SV ✓
		semivolatiles	SS ✓
(2 dup 1 trip)	water	metals	WM ✓
		volatiles	WU

Use additional pages as needed for clarity.

Levels Of Interest Are Specified (mark one): In The QA Document ☒

attached hereto

or On The Back ☐

Special Requirements or Comments:

NOTE: Submit This Form To RQAM/ENSV 30 Days Before Sample Delivery

Approvals:

Brian Mitchell 11/1/96 E.A. Kestner 11/1/96
 EPA Project Manager (Date) EPA Branch or Section Chief (Date)

The Following Is Completed By ENSV Personnel ONLY

QA Document: ☐ -Generic QAPP ☐ -Site Specific QAPP ☐ -Other: _____

Concurrences:

RQAM: _____ Comment: _____

Chief, LABO: _____ Comment: _____

Laboratory Assignment:

Scheduled Completion:

- ☐ -Region VII _____
☐ -ESAT _____
☐ -CLP _____
☐ -RECAP _____
☐ -Other _____

- ☐ -Routine:
 • Non-CLP = 4 weeks
 • CLP = 8 weeks
☐ -Other: _____
 Date: _____

Distribution:

- ☒ EPA Project Manager
☒ Chief, LABO/ENSV
☐ Chief, GNAN/LABO
☐ Chief, ORGN/LABO
☒ Chief, CLPM/LABO
☒ Data Coordinator
☒ RSCC
☐ Other: _____

ATTACHMENT II

USEPA Region VII Sampling Supplies Request (SSR) Form

Activity No.: _____ Site Name: BTR Sealing Systems

Contact Name: Brian Mitchell Telephone No.: 913-551-7633

Date Equipment to be Picked Up: 11/12/96

Item Description

Amount Needed

Sample Containers:

4-oz. (100 ml) Plastic Bottle	25
1-Liter Plastic Cubitainer	-
4-Liter Plastic Cubitainer	-
8-Liter Plastic Cubitainer	-
20-Liter Plastic Cubitainer	-
40-ml Glass Vials (Routine - 2 ea in 1-l cubie with charcoal thimble)	25
40-ml Glass Vials (Low DL - 4 ea in 1-l cubie with charcoal thimble)	-
8-oz. (250 ml) Wide Mouth Glass Jar	20
32-oz. (1 Liter) Wide Mouth Glass Jar	-
8-oz. (250 ml) Amber Glass Bottle	-
80-oz. (2.5 Liter) Amber Glass Bottle	-
4-Liter Amber Glass Bottle	-

Sampling Supplies:

Sampling Spoons	8
Aluminum Pans	8
1-qt. (1 Liter) Metal Paint Can (with Vermiculite®)	-
1-gal. (4 Liter) Metal Paint Can (with Vermiculite®)	-
Other:	-
Other: <u>4 02. glass jars (wide mouth)</u>	10

Preservatives: (return preservative containers to the laboratory)

HCl (1:1)	X
HNO ₃ (1:1)	X
H ₂ SO ₄ (Concentrated)	-
NaOH (Pellets)	-
Other:	-

Shipping Supplies:

Large Plastic Bags (ice chest liner)	2
Ice Chests	2
Fiber Tape (by roll)	1
Custody-Seal Tape (by piece, not roll)	3
Chain-Of-Custody Forms	4
Storage Bags for Chain-Of-Custody Forms	4
Packing Foam	-

Quality Control Samples:

Water Trip Blanks (VOA only)	-
Soil Trip Blanks (VOA only)	1

Performance Evaluation (PE) Samples:

No. of PE Samples	Matrix	Target Analytes	Desired Concentration Range